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ABSTRACT

How to access and search using the Online Library System (OLS) is described. The OLS is a computerized list of bibliographic citations compiled by the library network of the Environmental Protection Agency (EPA). It consists of several related databases and can be used by anyone to search for books, documents, journals, and other materials. In addition to the national catalog, materials on hazardous wastes, clean lakes, EPA Region 1, and the chemical collection system are included. The menu-driven user-friendly system is available at no cost other than telecommunications charges to support public access to environmental information. Chapters cover the following topics: (1) starting the system; (2) selecting a database; (3) setting parameters; (4) the patron menu; (5) search options; (6) other options; and (7) printing from the OLS. An appendix lists stopwords used in indexing databases. A list of EPA libraries is included. (SLD)

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United States
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Administration And
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March 1992

EPA

Public Access Online Library System (OLS)

User's Guide

ED 360 970

U.S. DEPARTMENT OF EDUCATION
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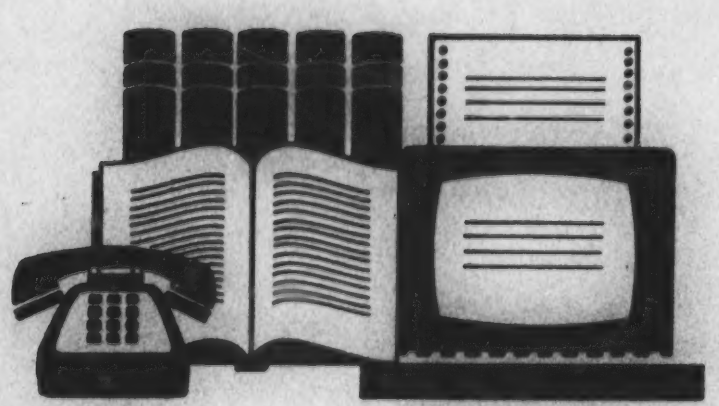

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Public Access

Online Library System (OLS)

User Guide

March 1992

National Library Network Program
Information Access Branch
Information Management and Services Division
U.S. Environmental Protection Agency
Washington, D.C. 20460

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For Further Assistance ...

If you would like more information about the EPA Library Network please contact your nearest EPA Library or contact Jonda Byrd, National Library Program Manager at 513/569-7183.

Please call the Public Information Center at 202/260-2080 if you wish to obtain OLS documentation.

If you have questions concerning how to search the OLS, please contact your nearest EPA Library. For other technical questions contact John Knight at 919/541-2794.

For assistance in establishing or maintaining a dial-up connection or resolving other communications problems, please call 919-541-4506 (FTS 629-4506).

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About The Documentation

The *User's Guide* is designed for all OLS users and contains an explanation of how to access the OLS, a description of the options on the Patron Menu, and a discussion of searching by various elements in the database.

The following documentation conventions pertain to system use:

1) After entering menu options or system commands, press the <RETURN> key (if you are operating a VT100 terminal or a personal computer with VT100 emulation) or the <ENTER> key (if you are operating an IBM 3270 terminal or a personal computer with a 3270 emulation card, such as IRMA).

2) User input is shown in underlined upper-case type on pictures representing menus:

```
ENTER SELECTION --> TI
Search for titles containing: WATER
```

and in upper-case type surrounded by double quotes (e.g., Enter "Q" to quit the OLS) within the text of the document. Note: you should omit the double quotes when you actually use the OLS. Also, you may enter information in any combination of upper and lower case. The OLS ignores case (is "case-insensitive") on searches.

3) A single asterisk (*) is a "wildcard" character used to specify a group of data or items that fit a certain pattern. Requesting data with the keyword HAZ* will retrieve HAZARD, HAZARDOUS, HAZE, HAZEL, HAZY, etc. (i.e., "HAZ" followed by any other characters).

4) Three asterisks (***) indicate that users who are operating IBM 3270 terminals or using 3270 terminal emulation packages must press <ENTER> to view subsequent screens. This situation only occurs on 3270 terminals, and for this reason, the screens in this document are shown as complete screens rather than as a series of screens each ending with three asterisks.

1.0 Information for First-Time Users

What is the Online Library System?

The Online Library System (OLS) is a computerized list of bibliographic citations compiled by the EPA library network. It consists of several related databases, and anyone may use this system to search for books, documents, journals, and other materials.

The EPA Library Network has long needed instantaneous electronic access to the cumulative Library catalog and to EPA report abstracts. Since the 1980's, EPA has been developing and modifying TECHLIB software to meet the needs of the Library Network. This modified system (menus, reports, and data) is known as the Online Library System (OLS). The Online Library System is installed on the EPA National Computer Center (NCC) IBM ES9000 in Research Triangle Park, N.C.

Who can use the OLS?

Anyone who has access to a terminal or a PC with a modem, can use the OLS.
EPA provides this menu-driven, user-friendly system at no cost to support public access to environmental information. The only charges that will be incurred through use of the system are telecommunications charges.

What databases are included in the OLS and what do they contain?

NCAT	contains EPA report bibliographic data and abstracts from NTIS and National Catalog and holdings information from OCLC. NTIS and OCLC are professional cataloging services. NCAT is the most commonly used database in the OLS. *Approx. 150,000 entries.*
HAZW	contains references to key materials on hazardous waste in the EPA Library Network. *Approx. 5000 entries*
LAKE	resource for obtaining information concerning lake management, protection, and restoration. *Approx. 2800 entries*
EHAL	contains the holdings of the Region I library in Boston. *Approx. 6100 entries*
CHEM	contains citations to microfiche copies of articles in the OTS Chemical Collections System. *Approx. 140,000 entries*

Why use the OLS?

CONVENIENCE: find out what materials are available

TIMELINESS: the information in the OLS is updated every two weeks

FLEXIBILITY: capture reports or search sets to disk files, which can be downloaded to your PC

POWER: search by author, title, or subject; you can also search for part of a field

How can I get help or more information?

Online help is available for each menu option by typing "H", followed by a space, followed by the menu option for which you want help.

How do I get started using the OLS?

Dialing into the system is easy. Use the following transmission and format settings on your computer terminal and modem:

300 - 9600 baud rate (depending on your equipment)
Even Parity
7 Data Bits per character
One Stop Bit
Duplex Half

The telephone number for dial-in access to OLS is: (919) 549-0720.

Accessing OLS Through Internet

The system is also accessible through Internet, a network composed primarily of universities and research institutions. To access the system through Internet, use EPA's Internet address:

EPAIBM.RTPNC.EPA.GOV

At the first menu select "Public Access."
At the second menu select "OLS."

Now you are ready to proceed to Section 2, *Starting Up the OLS*.

2.0 Starting Up the OLS

Once the connection has been established, you will see the Mainframe Menu. At that Menu type "IBMPSI" and press <ENTER>. At the next menu, the Public Access Menu, select "F" for OLS and press <ENTER>. The Database Selection Menu will appear.

3.0 The Database Selection Menu

The Database Selection Menu allows you to select a database for searching. The Database Selection Menu looks like this:

```
ONLINE LIBRARY SYSTEM <<DATABASE SELECTION MENU>> US:  DB:

DATABASES:
        N   NATIONAL CATALOG                    CH      CHEMICAL COLL. SYSTEM
        H   HAZARDOUS WASTE                     1       REGION 1
        L   CLEAN LAKES

OTHER OPTIONS:
        ?   HELP
        Q   QUIT

ENTER SELECTION -->
```

3.1 Requesting Help

If you select "?" to request help on this screen, you will be shown information about the meaning of each option listed on the Database Selection Menu.

3.2 Selecting a Database

```
ONLINE LIBRARY SYSTEM <<DATABASE SELECTION MENU>> US:  DB:

DATABASES:

        N   NATIONAL CATALOG                    CH      CHEMICAL COLL. SYSTEM
        H   HAZARDOUS WASTE                     1       REGION I
        L   CLEAN LAKES

OTHER OPTIONS:
        ?   HELP
        Q   QUIT

ENTER SELECTION --> N
```


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After correctly specifying a database you will be shown a welcome message, the date on which this database was last updated, and the total number of records in this database. The total number of records in the database is NOT necessarily the total number of items in the catalog. This is because the database may contain records (such as borrower or circulation records) that do not represent catalog items.

You will be asked what type of terminal you are using.

The welcome message and terminal type prompt will look something like this:

```
WELCOME TO THE EPA ONLINE LIBRARY SYSTEM

        The Last Update Was on 920306
        The Total Number of Records is 151553

Are you using a full-screen terminal or full-screen
terminal emulation software (Y/N)?  Press ENTER if unsure.
-->
```

If you are using (1) an IBM 3270, (2) a 3270-type terminal, or (3) a personal computer that contains a 3270 emulation card (such as an "IRMA" or "PCOX" card), answer "Y" in response to the terminal type question. Otherwise, answer "N". You may also press <ENTER> instead of "N". You will now be shown the opening menu for the database you selected.

4.0 Set Session Parameters

One of the screens you will see before starting an OLS search is the "Set Session Parameters" screen. This screen shows you the defaults that are pre-set for certain search and display parameters and gives you the option of changing any or all of them. These parameters will be used until the current session is ended or until you reset them by selecting the "SP" option from the Patron Menu.

The Set Session Parameters screen looks like this:

```
                              * SET SESSION PARAMETERS *

PARAMETERS:                                    CURRENT SETTING:

Search Local Library holdings only                        N
Local Library Code:
Include NTIS reports in search results                    Y
Include Abstract field in search results                  N
Do you want to change any of these settings (Y/N)?
```

If you enter "Y", you will be prompted to enter new settings for each of the parameters, one at a time; otherwise, the default settings will be used and the Patron Menu will be displayed

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next. If you do not wish to change a setting, you can press <ENTER> to go on to the next parameter.

```
                              * SET SESSION PARAMETERS *

PARAMETERS:                                          CURRENT SETTING:

Search Local Library holdings only                          N
Local Library Code:
Include NTIS reports in search results                      Y
Include Abstract field in search results                    N
Do you want to change any of these settings (Y/N)? Y
--> Search Local Library holdings only (Y/N)? Y
--> Include NTIS reports in search results (Y/N)? N
--> Include Abstract field in search results (Y/N)? N
```

If you entered "Y" for the Search Local Library holdings only parameter, you will then be shown a screen with the Library Codes of all the EPA Libraries. Enter the Local Library Code for the Library you wish to limit your searches to at the prompt.

```
                                EPA LIBRARY CODES

EHA     BOSTON, MA                      ELA     CHICAGO, IL
EHB     NARRAGANSETT, RI                ELB     CINCINNATI, OH
EIA     NEW YORK, NY                    ELC     ANN ARBOR, MI
EIC     EDISON, NJ                      ELD     DULUTH, MN
EJA     PHILADELPHIA, PA                EMA     DALLAS, TX
EJB     HQ (MAIN LIB.)                  EMB     ADA, OK
EJC     HQ (LAW)                        ENA     KANSAS CITY, KS
EJD     ANNAPOLIS, MD                   EOA     DENVER, CO (REG.)
EJE     HQ (OTS)                        EOB     DENVER, CO (NEIC)
EKA     ATLANTA, GA                     ERA     SAN FRANCISCO, CA
EKB     RTP, NC (ERC)                   ERB     LAS VEGAS, NV
EKC     GULF BREEZE, FL                 ESA     SEATTLE, WA
EKD     ATHENS, GA                      ESB     CORVALLIS, OR
EKE     RTP, NC (OAQPS)
EKF     RTP, NC (MET)

Enter your local library code: EJB
```

After you have entered your local library code, you will be returned to the Set Session Parameters screen, and the new settings will be displayed, including the library code you selected. If an incorrect code was entered, this parameter will be reset to N for no. If you are satisfied with the settings, enter "N" at the prompt to proceed to the Patron Menu.

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```
                    * SET SESSION PARAMETERS *

PARAMETERS:                                        CURRENT SETTING:
Search Local Library holdings only                       Y
Local Library Code:                                      EJB
Include NTIS reports in search results                   N
Include Abstract field in search results                 N
Do you want to change any of these settings (Y/N)? N
```

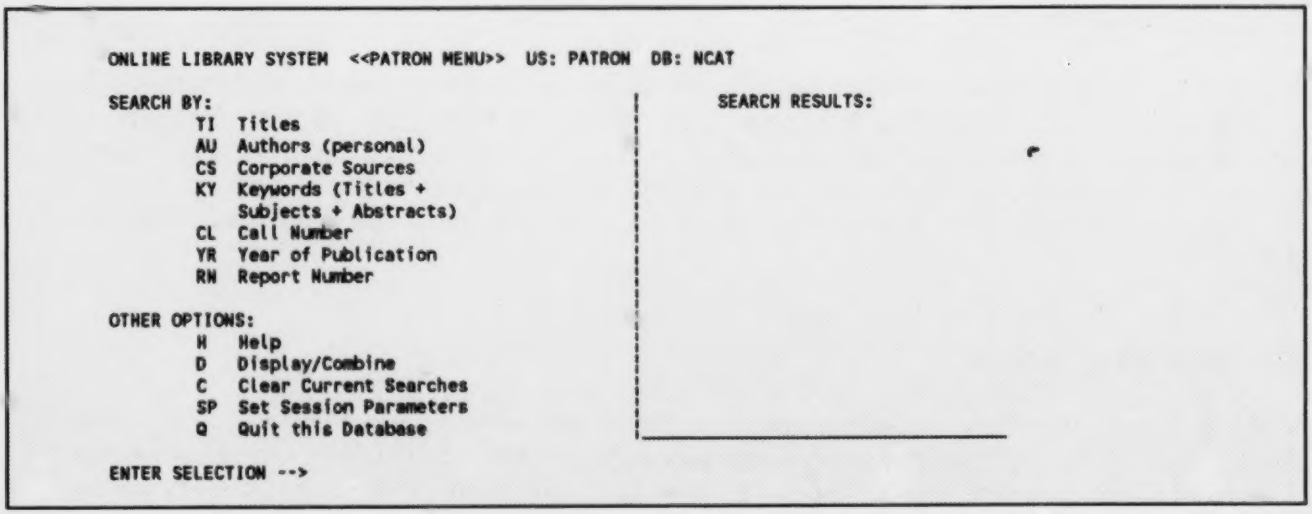
All subsequent searches in your session will be combined with these parameters, although only the search request you enter from the Patron Menu will be displayed on the right side of the screen. For example, if your search request with the above parameters set is for TI=WATER, the OLS will actually search for TI=WATER AWOL LB=EJB*. However, if you choose the "D" for Display option from the Patron Menu, the document list will show all these parameters as part of the search results.

5.0 The Patron Menu

The Patron Menu allows you to search for library materials by title, personal author, corporate source, keywords (titles, subjects and abstracts simultaneously),call number, year of publication, and report number. Select one of these options by entering the two-character code that corresponds to the selected search category.

The Patron Menu also offers online help for all menu options, lets you display and combine search results, lets you clear current searches from the right side of the screen, lets you set or change some search and display parameters for your current session, and provides the standard "Q" to quit option.

The Patron Menu looks like this:



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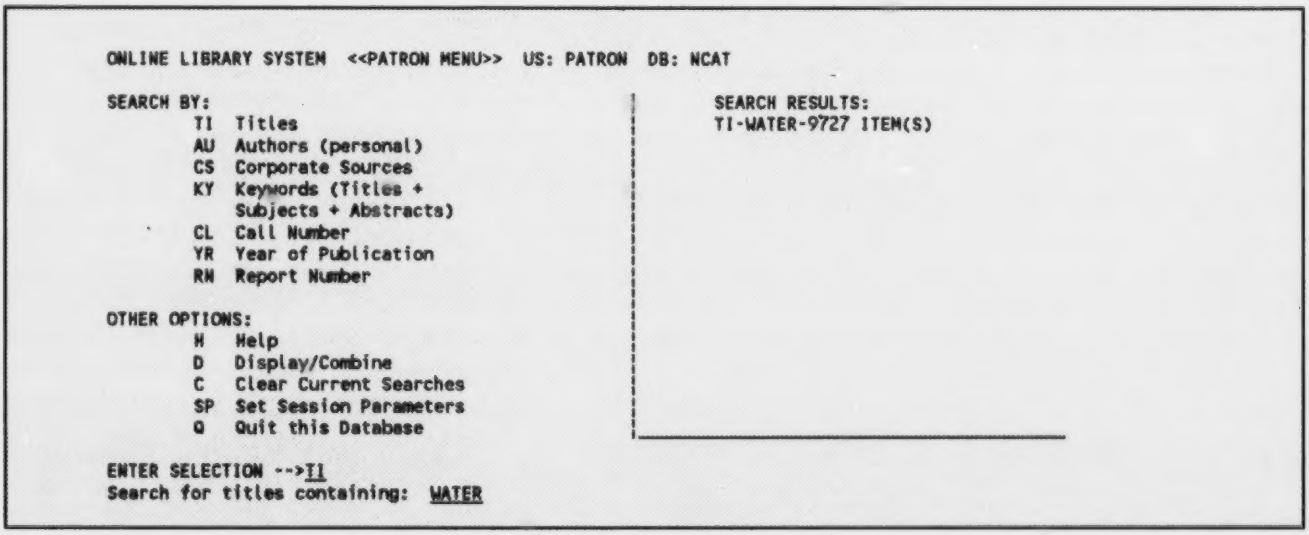
Results from searches performed from the Patron Menu are displayed in a list on the right side of the screen. An entry in this list consists of the search request (such as "TI = WATER") and the number of items found for that request. The OLS has room to display a maximum of sixteen document sets.

If you have created more than sixteen document sets and wish to see the complete list of your document sets, select the "D" option from the Patron Menu. If you wish to delete all your existing document sets, the "C" option will do this and then clear the right side of your screen. Clearing document sets does not affect the data in the database. All of the "Search by" options are discussed in Section 3.3. All of the "Other Options" are discussed in Section 3.4.

5.1 "Search by" Options

In the OLS, the menus are designed to prompt you for the various parts of the search request. An example of this prompting is shown on the next page. Also in the next example, note that the results from the first search appear on the right side of the subsequent display of the Patron Menu.



As you become more familiar with the OLS, you may want to start using shortcuts such as entering "TI = WATER" at the "Enter Selection" prompt.

There are a few things you must know about constructing searches. If you are searching an alphabetic or alphanumeric field such as title, author, keyword, call number, etc., you may search for a single word, a phrase,or a complete entry. If you search for any string which contains blanks, you must enclose the entire string in double quotes:

```
TI = "ENVIRONMENTAL PROTECTION AGENCY"
AU = "JOHN SMITH"
KY = "HAZARDOUS WASTE"
CL = "TD803.N34 1988"
```

You may also use the wildcard character ("*") to truncate a word or phrase. The wildcard character may appear at the beginning, middle, or end of the word or phrase. Wildcard characters and double quotes may be combined:

```
TI = "ENV*AGENCY"      (find all agencies with Env* in name)
AU = "SMITH,J*"        (find all Smiths with initial J)
KY = "*HAZARD"         (find biohazard, eco-hazard, etc.)
CL = "TD803*1988"
```

Whenever you specify a phrase to be searched, OLS actually searches for each word of the phrase separately. Therefore, you cannot specify the order of the words within the phrase. The capablility to search for words in a particular relationship to each other is known as "proximity searching." You cannot do proximity searching through the menus.

As an example of "order insensitivity," if you request TI = "Env*Agency" from OLS will retrieve "Agency for Environmental Protection" as well as "Environmental Protection Agency." In the author search for "Smith, J*", OLS will retrieve "John Smith," "Joan Quintana Smith," "Smith Jones III," "J.B. Smith," "Smith, J.R.," and so on. That is, any author with the name "Smith" and the initial "J" somewhere in his/her name will match the search criterion "Smith J*".

Another concept commonly used in literature searching is "stopwords." A list of common words has been defined so that these words, when they appear in a phrase, do not get indexed. You would never want to search for all titles containing the word "the", for example. Also, when entering a search request, there is no need for you to have to specify "The History of the World". Instead, since "of" and "the" are stopwords, you could simply enter "History of the World", "History World", or even "World History" and still receive the title "The History of the World." Refer to the Appendix for a complete list of stopwords used in indexing OLS databases.

One final thing to know about alphanumeric searches is that they are not "case-sensitive." You may enter your request in any combination of upper- and lower-case letters. For example, if the author field of a document in the database contains "Wendy Nelson," you may enter your search request as "WENDY NELSON", "wendy nelson", or even "WeNdY nElSoN", and still retrieve the same document.

When you are searching numeric fields, you may search for a single value, a range of values, or a set of values defined with a logical operator such as Greater Than (GT), Less Than (LT), Greater than or Equal to (GE), Less than or Equal to (LE), or Equal to (EQ). The only numeric field which can be searched from the Patron Menu is the year of publication. Some examples of year searches appear in Section 3.3.6.

The sections which follow briefly describe each "Search by" option available from the Patron Menu, and give an example or two of each search. These examples are cumulative, so you will see the results from each search displayed on the screen of the following search.

5.1-1 Search by Title

The TI option allows searching for materials by title. Enter a word, phrase or complete title, with or without articles such as "a" and "the." The TI search searches ALL title fields simultaneously, including main title, alternate title, series title, etc. This is an alphanumeric search, and all rules explained in Section 5.1 apply. Examples of title searching are shown in Section 5.1.

5.1-2 Search by Personal Author

The AU option allows searching by personal author (if you want to search by corporate author, use the CS option). The format of the name is irrelevant as the OLS will search for all parts of the name separately. If the author's complete name is not available, users may search with the surname, first name, or initials.

The AU search searches ALL personal author fields simultaneously, including perosnal, series author, author added entry, and series author added entry. Most OLS databases only use the personal author field, but OCLC data in the NCAT database may contain these additional author fields. See the Database Field Cross-Reference in Appendix A to determine which fields are appropriate for which databases.

This is an alphanumeric search, and all rules explained in Section 5.1 apply. The search AU-CARR* would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    SEARCH RESULTS:
        TI  Titles                            TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +
            Subjects + Abstracts)
        CL  Call Number
        YR  Year of Publication
        RN  Report Number

OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches
        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->
```

5.1-3 Search by Corporate Source

The CS option allows searching by corporate source (if you want to search by personal author, use the AU option). The format of the name is irrelevant as the OLS will search for all parts of the name separately. If the complete source name is not available, users may search with a portion of the name.

The CS search searches ALL corporate source fields simultaneously, including corporate author, thesaurus-controlled corporate author, corporate series author, corporate author added entry, and corporate series author added entry. See the Database Field Cross-Reference in Appendix A to determine which fields are appropriate for which databases.

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This is an alphanumeric search, and all rules explained in Section 5.1 apply. The search CS = "SOLID WASTE" would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    |  SEARCH RESULTS:
        TI  Titles                            |  TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                |  TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 |  AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +                |  CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)             |
        CL  Call Number                       |
        YR  Year of Publication               |
        RN  Report Number                     |
                                              |
OTHER OPTIONS:                                |
        H   Help                              |
        D   Display/Combine                   |
        C   Clear Current Searches            |
        SP  Set Session Parameters            |
        Q   Quit this Database                |
                                              |
ENTER SELECTION -->
```

5.1-4 Search by Keywords

The KY option allows searching by keywords or phrases within all title fields, all subject fields, and the abstract field. Enter a keyword or phrase in these categories, with or without articles such as "a" and "the."

This is an alphanumeric search, and all rules explained in Section 5.1 apply. The search KY = "ACID RAIN" would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    |  SEARCH RESULTS:
        TI  Titles                            |  TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                |  TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 |  AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +                |  CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)             |  KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                       |
        YR  Year of Publication               |
        RN  Report Number                     |
                                              |
OTHER OPTIONS:                                |
        H   Help                              |
        D   Display/Combine                   |
        C   Clear Current Searches            |
        SP  Set Session Parameters            |
        Q   Quit this Database                |_____________________________

ENTER SELECTION -->
```

5.1-5 Search by Call Number

The CL option allows searching for publications described by a particular call number. In most of the OLS databases, there is only one call number associated with a single master catalog record. However, in the OCLC data within the NCAT database, each holding attached to a particular master record may have a distinct call number. The format of the call number depends on the way it was originally entered into the data and will vary between libraries.

Call numbers may or may not have the year at the end. Due to these inconsistencies, it is always wise to end the call number you are searching for with the wildcard character.

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This is an alphanumeric search, and all rules explained in Section 5.1 apply. The search CL=TD803.N34* would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    SEARCH RESULTS:
        TI  Titles                            TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +                CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)             KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                       CL=TD803.N34*-4 ITEM(S)
        YR  Year of Publication
        RN  Report Number

OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches
        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->
```

5.1-6 Search by Year of Publication

The YR option allows searching by year of publication. You must enter a four-digit publication year to search for items published during a particular year.

To search for items published within a specific time span, enter two publication years in the format BBBB:EEEE where BBBB is the four-digit beginning publication year and EEEE is the four-digit ending publication year. Do not leave any spaces on either side of the colon. Range searches include both endpoints in the resulting document set.

Another way to search a range of years is to specify a single year and a logical operator, such as GT (greater than), LT (less than), GE (greater than or equal to), LE (less than or equal to), or EQ (equal to).

Although the OLS will accept wildcard-truncated entries in this search category, the resulting search will be extremely slow.

Here are some example searches and their meanings:

YR = 1985	(everything published in 1985)
YR = 1974:1976	(everything published in 1974, 1975, or 1976)
YR EQ 1985	(everything published in 1985)
YR LT 1980	(everything published before 1980)
YR GE 1987	(everything published in 1987 or later)

This is a numeric search, and all rules explained in Section 5.1 apply. The search YR GT 1988 would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                  |  SEARCH RESULTS:
        TI  Titles                          |  TI=WATER-9727 ITEM(S)
        AU  Authors (personal)              |  TI=WATER-9727 ITEM(S)
        CS  Corporate Sources               |  AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +              |  CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)           |  KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                     |  CL=TD803.N34*-4 ITEM(S)
        YR  Year of Publication             |  YR GT 1988 - 48 ITEM(S)
        RN  Report Number                   |
                                            |
OTHER OPTIONS:                              |
        H   Help                            |
        D   Display/Combine                 |
        C   Clear Current Searches          |
        SP  Set Session Parameters          |
        Q   Quit this Database              |
                                            |
ENTER SELECTION -->                         |
```

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The search YR=1989 would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    SEARCH RESULTS:
        TI  Titles                            TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +                CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)             KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                       CL=TD803.N34*-4 ITEM(S)
        YR  Year of Publication               YR GT 1988 - 48 ITEM(S)
        RN  Report Number                     YR=1989-48 ITEM(S)

        OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches
        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->
```

5.1-7 Search by Report Number

The RN option allows searching for items by a particular Report Number. Enter the entire report number, if known, or enter only the beginning letters of the report for all reports of a certain agency. Spaces and punctuation marks, such as dashes and slashes, may be omitted from the search request. Because of the nature of report numbers having many possible combinations of letters and numbers, it is always advisable to use the wildcard "*" character as the last character in the search request.

This is an alphanumeric search, and all rules explained in Section 5.1 apply. The search RN=EPA540* would result in the following display:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                  SEARCH RESULTS:
        TI  Titles                          TI=WATER-9727 ITEM(S)
        AU  Authors (personal)              TI=WATER-9727 ITEM(S)
        CS  Corporate Sources               AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +              CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)           KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                     CL=TD803.N34*-4 ITEM(S)
        YR  Year of Publication             YR GT 1988 - 48 ITEM(S)
        RN  Report Number                   YR=1989-48 ITEM(S)
                                            RN=EPA540*-867 ITEM(S)
OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches
        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->
```

5.2 Other Options

The Patron Menu contains several "OTHER OPTIONS": Help, Display/Print/Combine, Clear Current Searches, Set Session Parameter, and Quit this Database.

5.2-1 Help

Entering "H" at the selection prompt causes general information about Help facility to display at the terminal. This general help will tell you how to get on the other menu options.

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5.2-2 Display/Combine

Entering "D" at the selection prompt displays search results in ever-increasing detail. First, the OLS lists all document sets created since your OLS session began or since the previous Clear. Assuming that you had performed the following sample searches:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    |  SEARCH RESULTS:
        TI  Titles                            |  TI=WATER-9727 ITEM(S)
        AU  Authors (personal)                |  TI=WATER-9727 ITEM(S)
        CS  Corporate Sources                 |  AU=CARR*-147 ITEM(S)
        KY  Keywords (Titles +                |  CS="SOLID WASTE"-590 ITEM(S)
            Subjects + Abstracts)             |  KY="ACID RAIN"-316 ITEM(S)
        CL  Call Number                       |  CL=TD803.N34*-4 ITEM(S)
        YR  Year of Publication               |  YR GT 1988 - 48 ITEM(S)
        RN  Report Number                     |  YR=1989-48 ITEM(S)
                                              |  RN=EPA540*-867 ITEM(S)
OTHER OPTIONS:                                |
        H   Help                              |
        D   Display/Combine                   |
        C   Clear Current Searches            |
        SP  Set Session Parameters            |
        Q   Quit this Database                |
                                              |
ENTER SELECTION -->D
```

Upon selecting the "D" option, the following screen would appear:

```
   10/list

   .ITEMS.   LINE     REQUEST
*    9727      1/     TI=WATER
*    9727      2/     TI=WATER
*     147      3/     AU=CARR* ( 23 TERMS COMBINED)
*     590      4/     CS=SOLID WASTE
*     316      5/     KY=ACID RAIN
*       4      6/     CL=TD803.N34* ( 5 TERMS COMBINED)
*      48      7/     YR GT 1988
*      48      8/     YR=1989
*     867      9/     RN=EPA540*

Specify the document set you wish to display by its LINE NUMBER.
To combine document sets, use the connectors AWOL, OR or AWOL NOT.
AWOL stands for And WithOut Links.  See Basic User Guide for more.
       Ex:  1 AWOL 2
You may also use parentheses to help clarify the combining logic.
       Ex:  (1 OR 4) AWOL NOT 2
To return to the PATRON MENU, press ENTER.

Enter line number(s) -->
```

To view the titles of the documents in a particular document set, specify the line number of that document set at the "Enter line number(s)" prompt.

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For example, if you enter "6" at the "Enter line number(s)" prompt, the four items in document set number 6 will be shown to you:

```
ITEM    MAIN TITLE       <<TOTAL:4>>

1       Proceedings.
2       Proceedings.
3       Proceedings.
4       Resource recovery thru incineration; papers.

Press ENTER for more, T for Top of list, V to View item(s),
D to re-Display sets, M for Patron Menu -->
```

This screen is referred to as the Item Display.

To combine document sets, specify the document sets by line numbers and combine them with connectors such as AWOL, OR, or AWOL NOT. Think of "AWOL" as a synonym for "AND" and apply the normal rules of Boolean logic when constructing your combined search. Use parentheses as necessary to make precedence explicit. If an item is part of two different document sets, the union of those two document sets will only include one copy of the item.

As an example, if you want to create a document set containing items with the word "WATER" in the title, which were written by an author whose name begins with the letters "CARR", you would type 1 AWOL 3 (or 3 AWOL 1) at the "Enter line number(s)" prompt.

```
        11/list
.ITEMS.   LINE     REQUEST
      *    9727      1/   TI=WATER
      *    9727      2/   TI=WATER
      *     147      3/   AU=CARR* ( 23 TERMS COMBINED)
      *     590      4/   CS=SOLID WASTE
      *      16      5/   KY=ACID RAIN
      *       4      6/   CL=TD803.N34* ( 5 TERMS COMBINED)
      *      48      7/   YR GT 1988
      *      48      8/   YR=1989
      *     867      9/   RN=EPA540*
      *       4     10/   7

      Specify the document set you wish to display by its LINE NUMBER.
      To combine document sets, use the connectors AWOL, OR or AWOL NOT.
      AWOL stands for And WithOut Links.  See Basic User Guide for more.
      Ex:  1 AWOL 2
      You may also use parentheses to help clarify the combining logic.
      Ex:  (1 OR 4) AWOL NOT 2
      To return to the PATRON MENU, press ENTER.

      Enter line number(s) --> 1 AWOL 3
```

Note that the connectors do not have to be in capital letters.

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The resulting Item Display looks like this:

```
ITEM    MAIN TITLE       <<TOTAL:20>>

1       Introduction to the physical basis of soil phenomena
2       Correlative estimates of streamflow in the Upper Colorado Ri
3       Historical review of the International water-resources progra
4       Marine and fresh-water plankton.
5       Guide to the reptiles, amphibians and fresh-water fishes of
6       Guide to the reptiles, amphibians and fresh-water fishes of
7       Currents and water masses of Lake Huron (1954 synoptic surve
8       Currents and water masses of Lake Michigan.
9       Marine and fresh-water plankton.
10      Records of wells and water quality for the Garber-Wellington
11      Biological assessment methods to predict the impact of open-
12      Digital model for simulation of ground-water hydrology in th
13      Rainwater as a chemical agent of geologic processes: a revi
14      Adsorption of biochemically resistant materials from solutio
15      Adsorption of biochemically resistant materials from solutio

Press ENTER for more, T for Top of list, V to View item(s),
D to re-Display sets, M for Patron Menu -->
```

As you can see, the titles of the first 15 items in your document set are shown on the first page of the Item Display. The total number of items in the document set is displayed on the top line of each page of the Item Display. If you wish to see subsequent pages of this list of items, press <ENTER>.

```
ITEM    MAIN TITLE       <<TOTAL:20>>

16      Index of surface-water stations in Texas, January 1983
17      Fate of pathogenic micro-organisms during waste water treatm
18      Index of surface-water stations in Texas:  January 1984
19      Index of surface-water stations in Texas:  January 1985
20      Surviving proposition 65:  a basic guidebook to the Safe Dri

Press ENTER for more, T for Top of list, V to View item(s),
D to re-Display sets, M for Patron Menu -->
```

To return to the first page of the list, enter "T" to redisplay the Top page of the list.

To return to the list of document sets, enter "D"; to return to the Patron Menu, enter "M".

To view items on your terminal screen, enter "V". A sample View request is shown below:

```
ITEM    MAIN TITLE       <<TOTAL:20>>

16      Index of surface-water stations in Texas, January 1983
17      Fate of pathogenic micro-organisms during waste water treatm
18      Index of surface-water stations in Texas:  January 1984
19      Index of surface-water stations in Texas:  January 1985
20      Surviving proposition 65:  a basic guidebook to the Safe Dri

Press ENTER for more, T for Top of list, V to View item(s),
D to re-Display sets, M for Patron Menu --> V

Enter item number or range of items --> 20, 2-3
```

The item(s) you specify do not have to be on the page you are looking at. You can request multiple items and/or a range of items. Separate items or ranges by commas, and separate the endpoints of a range with a dash ("-"). Use the word "ALL" to refer to all items in the document set. Do not leave any blank spaces in the item specification.

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The output from the above View request is as follows:

```
Item 20

Accession Number          74887
Personal Author           Carrick, Roger Lane
Corporate Author          Nossaman, Guthner, Knox & Elliott.
Main Title                Surviving proposition 65: a basic guidebook to the
                          Safe Drinking Water and Toxic Enforcement Act of  1986

Publisher                 Nossaman, Guthner, Knox & Elliott,
Year Published            1987
OCLC Number               00020959
Holdings                  ERAM || TD365.S97 1987

Item 2

Accession number          1391
OCLC Number               00085178
Personal Author           Carroon, Lamar E.
Main Title                Correlative estimates of streamflow in the Upper
                          Colorado River Basin,

Publisher                 U.S. Govt. Print. Off.,
Year Published            1970
Date Added                890220
Holdings                  ELBM || TC801.U2 no. 1875
                          EMBD || USGSWSP-1875

Press ENTER to continue-->
```

Pressing <ENTER> at the preceding prompt will return you to the page of the Item Display you were looking at when you selected the V option:

```
ITEM            MAIN TITLE                          <<TOTAL:20>>

16              Index of surface-water stations in Texas, January 1983
17              Fate of pathogenic micro-organisms during waste water treatm
18              Index of surface-water stations in Texas:  January 1984
19              Index of surface-water stations in Texas:  January 1985
20              Surviving proposition 65:  a basic guidebook to the Safe Dri

Press ENTER for more, T for Top of list, V to View item(s),

D to re-Display sets, M for Patron Menu -->
```

Pressing "D" will return you to the list of document sets. Pressing "M" will return you to the Patron Menu. All the previous searches you did will still be available, and will still be printed on the right side of the Patron Menu.

5.2-3 Clear Current Searches

Entering "C" at the selection prompt allows you to clear your list of document sets. The "C" option clears ALL the document sets you have created, whether you created them through the Patron Menu or at the BASIS command level. The right side of the Patron Menu will be cleared as well.

Clearing your searches does NOT affect the actual documents in the database. Once you have cleared your document sets, they are no longer available for displaying or combining.

You might want to clear your searches because you wish to begin an entirely new search strategy and you find the presence of your previous document sets distracting. Also, if you no longer need any of the existing document sets, you may wish to have the right side of the Patron Menu available to display your new search results.

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Before the Clear:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:
        TI  Titles
        AU  Authors (personal)
        CS  Corporate Sources
        KY  Keywords (Titles +
            Subjects + Abstracts)
        CL  Call Number
        YR  Year of Publication
        RN  Report Number


OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches
        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->C
```

```
SEARCH RESULTS:
TI=WATER-9727 ITEM(S)
TI=WATER-9727 ITEM(S)
AU=CARR*-147 ITEM(S)
CS="SOLID WASTE"-590 ITEM(S)
KY="ACID RAIN"-316 ITEM(S)
CL=TD803.N34*-4 ITEM(S)
YR GT 1988 - 48 ITEM(S)
YR=1989-48 ITEM(S)
RN=EPA540* - 867 ITEM(S)
```

After the Clear:

```
ONLINE LIBRARY SYSTEM  <<PATRON MENU>>  US: PATRON  DB: NCAT

SEARCH BY:                                    SEARCH RESULTS:
        TI  Titles
        AU  Authors (personal)
        CS  Corporate Sources
        KY  Keywords (Titles +
            Subjects + Abstracts)
        CL  Call Number
        YR  Year of Publication
        RN  Report Number

OTHER OPTIONS:
        H   Help
        D   Display/Combine
        C   Clear Current Searches

        SP  Set Session Parameters
        Q   Quit this Database

ENTER SELECTION -->C
```

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If you select the Display option, there are no longer any document sets, and this message will be displayed:

```
1/list

.ITEMS.          LINE              REQUEST

None of the document sets have been defined
Specify the document set you wish to display by its LINE NUMBER.
To combine document sets, use the connectors AWOL, OR or AWOL NOT.
AWOL stands for And WithOut Links.  See Basic User Guide for more.
        Ex:  1 AWOL 2
You may also use parentheses to help clarify the combining logic.
        Ex:  (1 OR 4) AWOL NOT 2
To return to the PATRON MENU, press ENTER.

Enter line number(s) -->
```

Press <ENTER> to return to the Patron Menu.

5.2-4 Set Session Parameters

Entering "SP" at the selection prompt allows you to reset the parameters for your current session. Parameters you select stay in effect until the current session is ended or until they are reset using this option. When you select this option, the same screen will appear that came up when you began your session. See Section 3.1 to review setting parameters.

5.2-5 Quit this Database

Entering "Q" at the selection prompt returns you from the Patron Menu to the Database Selection Menu (described in Section 2.1). You should see the following messsage:

```
**** YOU ARE NOW LEAVING THE NCAT DATABASE ****

GOODBYE
```

Then you will be returned to the Database Selection Menu.

```
ONLINE LIBRARY SYSTEM  <<DATABASE SELECTION MENU>>  US:  DB:

DATABASES:
        N   NATIONAL CATALOG              CH      CHEMICAL COLL. SYSTEM
        H   HAZARDOUS WASTE               1       REGION 1
        L   CLEAN LAKES

OTHER OPTIONS:

        ?   HELP
        Q   QUIT


ENTER SELECTION --> Q
```

6.0 Printing from OLS

There is no printing from OLS, except that which can be done through the user's telecommunications software (e.g. Crosstalk or SmartCom), or at the terminal. Consult the appropriate manual for directions on downloading and printing using the software available in your office.

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APPENDIX

Stopwords Used in Indexing Databases

A A, ABOUT, AFFECT, AFFECTED, AFFECTING, AFFECTS, AFTER, AGAIN, AGAINST, ALL, ALMOST, ALSO, ALTHOUGH, ALWAYS, AMONG, AN, AND, ANOTHER, ANY, APPARENT, ARE, ARISE, AS, ASIDE, AT, AWAY

B BE, BECAME, BECAUSE, BECOME, BECOMES, BEEN, BEFORE, BEING, BETWEEN, BOTH, BRIEF, BUT, BY

C CAME, CAN, CANNOT, CERTAIN, COULD

D DID, DO, DOES, DONE, DUE, DURING

E EACH, ED, EITHER, ELSE, ENOUGH, ESPECIALLY, ETC., ETC, EVER, EVERY

F FOLLOWING, FOR, FOUND, FROM, FURTHER

G GAVE, GETS, GIVE, GIVEN, GIVING, GONE, GOT

H HAD, HARDLY, HAS, HAVE, HAVING, HERE, HOW, HOWEVER

I IF, IMMEDIATE, IMMEDIATELY, IMPORTANT, IMPORTANTLY, IMPORTANCE, IN, INTO, IS, IT, IT'S, ITSELF

J JUST

K KEEP, KEPT

L LARGELY, LIKE

M MADE, MAINLY, MAKE, MANY, MAY, MIGHT, MORE, MOST, MOSTLY, MUCH, MUST

N NEARLY, NEITHER, NEXT, NO, NONE, NOR, NORMALLY, NOT, NOTED, NOW

O OBTAIN, OBTAINED, OF, OFTEN, ON, ONLY, OR, OTHER, OUGHT, OUR, OUT, OVERALL, OWING

P PAST, PERHAPS, POOR, PRESENT, PREVIOUS, PRIMARILY, PROMPT

Q QUICK, QUITE

R RATHER, READILY, REALLY, RECENT, REGARDING, RESPECTIVELY, RESULTED, RESULTING

S SAID, SAME, SEEM, SEEN, SEVERAL, SHALL, SHOULD, SHOW, SHOWED, SHOWN, SHOWS, SIMILAR, SIMILARLY, SINCE, SLIGHTLY, SO, SOME, SOMEWHAT, SOON, STATE, STRONGLY, SUCH

T THAN, THAT, THE, THEIR, THEM, THEN, THERE, THEREFORE, THESE, THEY, THIS, THOSE, THOUGH, THROUGH, TO, TOO, TOWARD, TOWARDS

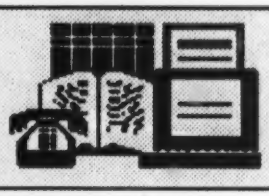
U UNDER, UNLESS, UNTIL, UP, UPON, USE, USED, USEFUL, USEFULNESS, USING, USUALLY

V VARIOUS, VERY

W WAS, WERE, WHAT, WHEN, WHERE, WHETHER, WHICH, WHILE, WHOSE, WHY, WIDELY, WILL, WITH, WITHIN, WITHOUT, WOULD

Y YET

EPA 220-F-92-006



Public Access to EPA's Online Library System (OLS)

Books - Reports - Journals

Air Quality Global Issues Health Effects Hazardous Waste
Laboratory Methods Pollution Prevention Toxic Substances Water Pollution

The Online Library System (OLS) is a computerized list of bibliographic citations compiled by the EPA library network. EPA provides this menu-driven, user-friendly system at no cost to support public access to environmental information. The only charges that will be incurred through use of the system are telecommunications charges.

◆ OLS DATABASES ◆

OLS consists of several related databases that can be used to locate books, reports, and articles on a variety of topics. The material in OLS is updated every two weeks, and can be searched by numerous access points, such as title, author, and keyword.

National Catalog	Citations and summaries on environmentally related topics encompassing biology, chemistry, ecology, and other basic sciences; and EPA reports distributed through the National Technical Information Service.
Hazardous Waste	Citations and summaries for key materials on hazardous waste.
Clean Lakes	Citations and summaries on topics relating to lake management, protection, and restoration.
EPA Region 1	Selected items owned by the Region 1 Library.
Chemical Collection System	Citations for items relating to chemicals.

For information about the Online Library System, please contact the nearest EPA Library. A list of the libraries is available on the system's HELP Screen.

Dialing Into The System ...

Number For Dial-In Access: (919) 549-0720
Use these transmission & format settings:

300-9600 baud rate Half Duplex Even Parity
7 data bits per character One Stop Bit

To Log-In: Dial into the system. At the first system prompt, type **IBMPSI**. At the second system prompt, type **F**.

To Print: Printing is only available through your telecommunications software.

To Log-Out: Type **Q** or **QUIT** at the system prompt.

Access through Internet ...

We encourage universities and institutions with Internet connections to access OLS using Internet links to EPA.

EPA's Internet address is:

EPAIBM.RTPNC.EPA.GOV

At the first menu, select "**Public Access.**"

At the second menu, select OLS.

USER SUPPORT: Call EPA's National Computer Center for technical system assistance (help with anything that happens before you type "OLS" at the system prompt) at 1-800-334-2405, or (919) 541-7862 (Outside the United States). Contact the EPA Public Information Center for the *OLS User Guide* and other system documentation at (202) 260-2080.

NOTE: EPA can not be responsible for any telephone charges incurred by non-EPA users. It is the user's responsibility to release the telephone line connection.

Information Access Branch, Information Management and Services Division Revised June 1992

Search Options

The OLS search options correspond to fields in the various databases. To search for items with information in a particular field, use the following two-letter options:

AU Enter the author's whole name, or if the author's complete name is not known, users may search with the surname, first name, or initials. Format is irrelevant; OLS searches all parts of the name separately.

CL The format of the call number depends on the way it was originally entered; call numbers very from one database to another within OLS. It is always wise to end the call number search with a wildcard character "*".

CS Enter a whole or partial name. OLS searches all corporate source fields.

KY Enter a keyword or phrase which will be searched in all title, subject and abstract fields simultaneously. Use quotation marks if the phrase includes spaces.

RN Enter the entire number, if known. Enter only the beginning letters of the report if searching for all reports from a specific agency. Spaces and punctuation may be omitted. It is wise to use a wildcard character "*" at the end of the search statement.

TI Enter a word, phrase or complete title, without articles such as "a" or "the". Use quotation marks if the phrase includes spaces.

YR Enter a four-digit publication year. It is possible to use a wildcard character "*", but the resulting search will be extremely slow.

Searching Tips & Tricks

- Use the wildcard character "*" to truncate a word or phrase.
  Ex. **TI=env* prot* agency** or **KY=*Hazard**
- Search numbers without leading zeros.
  Ex. **FIND OCLC=514174**
- Search strings containing blanks **MUST** be enclosed in double quotation marks.
  Ex. **"john muir"** or **"QH104.M85 1988"**
- You may search for year of publication in the format YYYY for a specific year, or YYYY:YYYY for a range of years.
  Ex. **YR=1990**; **YR=1989:1991**
- When searching numeric fields such as the year of publication, you can search for a set of values defined by the following logical operators: Greater Than (GT); Less Than (LT); Greater Than or Equal to (GE); Less Than or Equal to (LE); or Equal to (EQ).
- You may "stack" some commands:
  Ex. # 1: **H TI H AU** - will provide information on Title searching and then on author searching without returning to the Patron Menu in between.
  Ex. #2: **TI="silent spring"** - will begin the search with one step.
- When searching using call numbers, it is wise to end the search with a wildcard "*", because not all call numbers include the date. Ex. **CL=QH104***
- When searching report numbers, spaces and punctuation marks may be omitted from the search request. It is wise to use the wildcard "*" as the last character in the request. Ex. **RN=epa540***

Frequently Used Commands

C or CLEAR to clear the space used to display up to 16 searches.

D to display a list of sets or items;also used to combine sets.

H or HELP to get more information about a particular option on one of the system menus.

M to return to Patron Menu.

Q or QUIT to exit the system.

SP to set session parameters; limit search to local library holdings or view abstracts with citations.

T to go to the top of the Main Title List (search results).

V or VIEW to look at a record.

NOTE: Users must use the print and capture capabilities of their communications software (for example, CROSSTALK, Smartcom, Procom, etc.) to print or download information from OLS. Consult your software manual for assistance.

EPA Libraries

EHA Region 1, Boston MA	(617)565-3298
EHB ENV RES LAB, Narragansett, RI	(401)782-3025
EIA Region 2, New York, NY	(212)264-2881
EIC Region 2, Field Office, Edison, NJ	(908)321-6762
EJA Region 3, Philadelphia, PA	(215)597-0580
EJB Headquarters, Washington, DC	(202)260-6922
EJC Law Library, Washington, DC	(202)260-5919
EJD Central REG LAB, Annapolis, MD	(301)266-9180
EJE OTS Library, Washington, DC	(202)260-3944
EKA Region 4, Atlanta, GA	(404)347-4216
EKB Library Services, RTP, NC	(919)541-2777
EKC ENV RES LAB, Gulf Breeze, FL	(904)932-5311
EKD ENV RES LAB, Athens, GA	(404)546-3324
EKE OAQPS Library, RTP, NC	(919)541-5514
EKF AREAL Library, RTP, NC	(919)541-4536
ELA Region 5, Chicago, IL	(312)353-2022
ELB AWBERC Library, Cincinnati, OH	(513)569-7707
ELC MVEL, Ann Arbor, MI	(313)668-4311
ELD ENV RES LAB, Duluth, MN	(218)720-5538
EMA Region 6, Dallas, TX	(214)655-6444
EMB ENV RES LAB, Ada, OK	(405)743-2256
ENA Region 7, Kansas City, KS	(913)551-7358
EOA Region 8, Denver, CO	(303)293-1444
EOB NEIC, Denver, CO	(303)236-5122
ERA Region 9, San Francisco, CA	(415)744-1510
ERB EMSL Library, Las Vegas, NV	(702)798-2648
ESA Region 10, Seattle, WA	(206)553-1289
ESB ENV RES LAB, Corvallis, OR	(503)757-4731

EPA Libraries

EHA Region 1, Boston MA	(617)565-3298
EHB ENV RES LAB, Narragansett, RI	(401)782-3025
EIA Region 2, New York, NY	(212)264-2881
EIC Region 2, Field Office, Edison, NJ	(908)321-6762
EJA Region 3, Philadelphia, PA	(215)597-0580
EJB Headquarters, Washington, DC	(202)260-6922
EJC Law Library, Washington, DC	(202)260-5919
EJD Central REG LAB, Annapolis, MD	(301)266-9180
EJE OTS Library, Washington, DC	(202)260-3944
EKA Region 4, Atlanta, GA	(404)347-4216
EKB Library Services, RTP, NC	(919)541-2777
EKC ENV RES LAB, Gulf Breeze, FL	(904)932-5311
EKD ENV RES LAB, Athens, GA	(404)546-3324
EKE OAQPS Library, RTP, NC	(919)541-5514
EKF AREAL Library, RTP, NC	(919)541-4536
ELA Region 5, Chicago, IL	(312)353-2022
ELB AWBERC Library, Cincinnati, OH	(513)569-7707
ELC MVEL, Ann Arbor, MI	(313)668-4311
ELD ENV RES LAB, Duluth, MN	(218)720-5538
EMA Region 6, Dallas, TX	(214)655-6444
EMB ENV RES LAB, Ada, OK	(405)743-2256
ENA Region 7, Kansas City, KS	(913)551-7358
EOA Region 8, Denver, CO	(303)293-1444
EOB NEIC, Denver, CO	(303)236-5122
ERA Region 9, San Francisco, CA	(415)744-1510
ERB EMSL Library, Las Vegas, NV	(702)798-2648
ESA Region 10, Seattle, WA	(206)553-1289
ESB ENV RES LAB, Corvallis, OR	(503)757-4731